

OCEANIA MARINE TRACKING BUOY SYSTEM



Suggested applications

- Oil spill tracking buoy
- Oceanography data monitoring
- Iceberg tracking
- Discrete marker buoy
- Search and Rescue distressed vessel marker

Advantages

- Worldwide Coverage (Iridium satellite constellation)
- Customized transmission and listening mode
- Possibility of immediate data transmission at any moment
- High discretion on the sea
- Surface Temperature sensors
- Out of Water sensors
- Possibility of monitoring other sensors with internal electronics
- High view range flashlight that can be activated at any moment
- Dedicated monitoring Software

The OCEANIA Tracking Buoy has been designed as a versatile tracking & monitoring system that can be tailored to suite a wide range of applications. The standard version of the Oceania Buoy is equipped with a GPS receiver, a surface temperature sensor, an out of water sensor and an Iridium transceiver. The Oceania Buoy can operate in temperatures between -20°C & $+50^{\circ}\text{C}$. The Oceania Buoy's electronic architecture also allows the monitoring of up to five additional sensors, enabling us to tailor a solution for many different requirements & applications.

The Oceania Buoy transmits the data (GPS position, surface temperature etc.) to a dedicated server loaded with the Oceania Tracking Buoy Management & Monitoring Software which displays the information in an easy to use format. Due to the flexibility designed into the system, transmission parameters such as frequency of transmissions etc. can be modified from the server instantly.

The Oceania Buoy is equipped with a solar rechargeable battery and solar panels allowing up to 2 years of continuous operation before requiring a battery change. It can also be upgraded to carry alkaline cells for specific applications such as Oil spill monitoring.

The Oceania Tracking Buoy management & monitoring software can be installed either on board a vessel or in an office, and will track up to 2,000 Oceania Buoys at any time. This software platform enables multi user control and monitoring from a number of different locations at the same time, with the ability to limit access and control of the data between individual sites. The Oceania Tracking Buoy system has been designed to be as flexible as possible, with the ability to add additional monitoring parameters, additional sensors and alarms etc. and localized control and management of data adjustments, either onboard a vessel or in an office, via the management & monitoring software.